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Upcoming 2015/2016 Events:

- October 20th – Dinner Meeting
- November 13th – Annual Sporting Clay Shoot
- November 17th – Dinner Meeting
- December 15th – Holiday Happy Hour Party
- January 19th – Tampa Bay Lightning Game
- February 19th – Annual Golf Tournament
- March 15th – Dinner Meeting
- April 29th – Annual Shrimp Boil
- May 17th – Dinner Meeting, Past-President's Night

For More Information:

Mike Costello – 813.758.9808
 m.costello@emeraldmech.com
<http://www.ashrae-fwc.org/>

From the Desk of the President Joe Cox



Hello FWC!

I would like to thank all of those that came out for our October Dinner Meeting. We had a record turnout with more engineers that I have seen in a long time. Mr. David Compton had some great information on the Florida Board of Professional Engineers updates and how to contact the Florida Building Commission and request changes to the Florida Building Code with Declaratory Statements or Code Modifications.

I know there was a lot of interest with the Building Code Specific Changes, so we have coordinated with Mr. Steve Bassett to come in for our meeting Tuesday March 15th, 2016. His presentation will be specifically on the 2014 Florida Building Code Energy and Mechanical Changes.

We are looking forward to the Clay shoot next Friday. If you have not registered, please sign up right away with Ike Crimm to make sure you get a spot. We only have openings for a couple teams left. The following Tuesday, November 17th is our next Dinner meeting. The flyer is on the next page. I am looking forward to seeing you all soon!



Research Promotion currently at 17.1% of goal...see Page 6



November Dinner Meeting Flyer

Calendar Year: 2015/2016

Third Dinner Meeting

“An Innovative New Photo-electrochemical (PEC) Technology for Indoor Air Quality”

Meeting Summary:

Our speaker this month is Dr. Yogi Goswami, Ph.D., P.E., ASHRAE Life Member. Dr. Goswami is a Distinguished Professor in the Chemical Engineering Department at the University of South Florida and last year attained Fellowship Distinction Status with ASHRAE for his continuing educational contributions to our industry. His presentation will focus on his research on indoor air quality utilizing new photo-electrochemical technologies. Dr. Goswami has a number of patents and authored dozens of research papers on a wide range of chemical and energy efficiency topics.

1 CE course hour provided!

When?

Tuesday, November 17, 2015
5-6 PM Cocktail Hour
6-8 PM Dinner Meeting

Where?

Holiday Inn Westshore
700 North Westshore Boulevard
Tampa, FL 33609

Cost?

\$35 thru Paypal (\$40 day of Event)

RSVP HERE

or at

www.ashrae-fwc.org/ashrae-events/

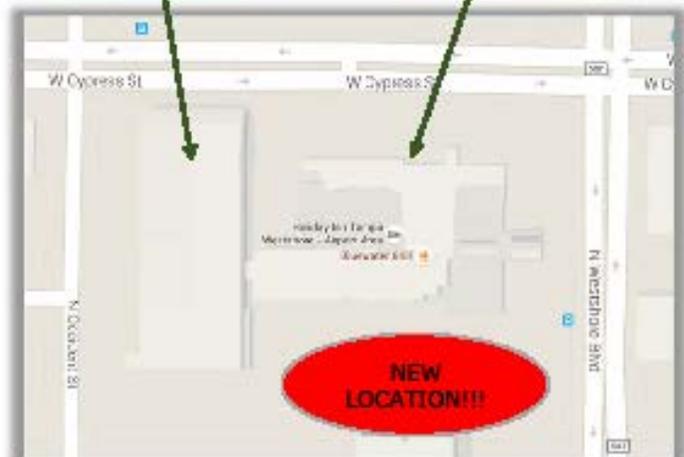


Dr. Yogi Goswami, Ph.D., P.E.
USF Distinguished Professor

For questions, contact:
Michael Costello
m.costello@emeraldmeep.com
813-758-9808

Park in garage

Enter hotel here





THE 6th ANNUAL FLORIDA WEST COAST

Sporting Clay Shoot

Date: November 13, 2015

Time: 12:30 pm

Register by: October 31, 2015

This will be a 100 bird shoot. Included in the price is a catered BBQ pork lunch served at 12:30 prior to the shoot.

Sponsorship Levels:

- **Presenting Sponsor \$2500**
Includes: Event Banner, Stand Sponsor, Foursome, Golf Cart for four, and endowment to ASHRAE RP
- **Ammunition Sponsor \$1800**
Includes: Event Banner, Stand Sponsor, Foursome and Golf Cart for four
- **Golf Cart Sponsor \$1300**
Includes: Advertising on Golf Carts, Foursome and Golf Cart for four
- **Score Card Sponsor \$1000**
Includes: Advertising on Score Cards, Foursome and Golf Cart for four
- **Corporate Sponsor \$650**
Includes: Stand Sponsorship, Foursome and Golf Cart for four

Contact Ike Crimm for details!

- Single Shooter (**Chapter Member**) \$120
- Single Shooter (**Non-Chapter Member**) \$130
- Shotguns are available for rent for \$30
- Golf Cart Rental \$25 for a team of 4
- Stand Sponsorship with Company Logo \$ 150.00

100 Rounds to be provided for each shooter.
A limited number of carts and shotguns are available for rent, so get your registration in early to guarantee one!



Location:

Fishhawk Sporting Clays
13505 Hobson Simmons Rd
Lithia, FL 33547
813.689.0490
www.fishhawkssportingclays.com

Additional Information:

Each attendee must be at least 18 years old, and must provide their own eye and ear protection.

Contact Ike Crimm at 813-879-0383 or icrimm@stanweaver.com

To submit completed registration form, mail it along with payment to (PayPal invoices upon request):

ASHRAE Clay Shoot
c/o Ike Crimm
4607 N Cortez Avenue
Tampa, Florida 33614



Team Captain Name:

1.) _____

Phone Number : _____

Email: _____

ASHRAE Number : _____

Shotgun Rental: Yes / No

Gauge: 12 / 20

Stand Sponsor: Yes / No

Team Member Names:

2.) _____

Shotgun Rental: Yes / No

Gauge: 12 / 20

3.) _____

Shotgun Rental: Yes / No

Gauge: 12 / 20

4.) _____

Shotgun Rental: Yes / No

Gauge: 12 / 20

Total:

\$ _____

ASHRAE FWC - 2015/16 Committee Chairs

President – Joe Cox	jcox@sladerossinc.com
President-Elect, Programs, CTTC, Newsletter – Mike Costello	m.costello@emeraldmeep.com
1 st Vice President, Research Promotion – Ike Crimm	icrimm@stanweaver.com
2 nd Vice President, Membership Promotion – Leon Boe	leon@glspies.com
Treasurer – Malia Powers	malia.powers@carrier.utc.com
Secretary, GGAC, Refrigeration, Sustainability – Ethan Grabill	egrabill@commercial-products.net
YEA – Dan Romnosky	daniel@ase2000.org
Honors and Awards – Joe Souza	jsouza@filtrine.com
Student Activities – Chris Martinez	camarti9@mail.usf.edu
bEQ – Don Herrmann	don@dcherrmann.com
Historian – Dan Herrera	dherrera@gleassociates.com
Golf Tournament – Eric Vieira	evieira@cea-engineers.com
Reception, Member Services – Scott Manfre	scott@glspies.com

Membership Promotion

Submitted by Leon Boe

If you are, or know someone that is a prospective new member, the Affiliate grade of membership may be for you!

This program is for individuals at or under the age of 30 that are new to ASHRAE (not previously a Student or Associate member). OR for individuals who have been honorably discharged from the Military within the past 5 years. These members will receive a discounted rate as follows:

- \$54 for the first year
- \$74 for the second year
- \$95 for the third year

Participants in this program still receive most of the benefits of Associate Membership (except the ASHRAE Handbook) but at a considerably discounted rate (Current Associate Member dues are \$190 per year). Information can be found at: <http://www.ashrae.org/membership--conferences/student-zone/membership-and-meetings/affiliate-member-grade>

If you have any questions, please contact me at: 813-728-9257, or leon@glspies.com

Research Promotion - Last Year Submitted by Mike Costello

Last month we recognized our research donors from last year. I'd like to personally thank every investor. Our chapter goal was \$21,000. We blew that out of the water with a total of \$27,000. Way to go Florida West Coast!

Special thanks to LG Electronics and Carrier Corporation who gave the highest single donations to our Chapter in the last ten years!



RESOURCE PROMOTION
Donor Recognition 2014 – 2015

More than \$5,000.00

LG ELECTRONICS
CARRIER CORPORATION

More than \$3,000.00

MR. DANIEL R. ROGERS, PE

More than \$1,000.00

PUBLIX SUPER MARKETS CHARITIES
AIR MECHANICAL & SERVICE CORPORATION

More than \$500.00

MR. TED HANSEN SR.
AUTOMATED BUILDING CONTROLS
MR. DEREK EMBODY
MR. WILLIAM SMITH
APPLIED AIR ENGINEERING



RESOURCE PROMOTION
Donor Recognition 2014 – 2015

Less than \$500.00

SLADE ROSS, INC – MR. WILLIAM M. SLADE	\$400.00
MR. JOSEPH D. SOUZA, III	\$333.96
MS. JENNIFER A. ISENBECK	\$301.00
TAMPA BAY TRANE – MR. DOUGLAS B. COHN	\$300.00
MR. GREGORY HATFIELD	\$260.00
ORIGINAL SOLUTIONS CO. – MR. WILLIAM M. SMITH	\$250.00
CONSULTING ENGINEERING ASSOCIATES – MR. JOHN W. WELLS, III	\$250.00
MR. RICHARD B. GRAMLICH	\$250.00
ONICON	\$250.00
SMITH & CASADY – MR. WAYNE SMITH	\$250.00
MR. SHAWN M. JEFFREY, SR.	\$250.00
SOUTHERN EQUIPMENT CORP. – MR. BRYAN C. BERRY	\$250.00
MR. GREGOR GRAMLICH	\$250.00
THERMAL TECH – MR. RICHARD W. WILKINS	\$200.00
HEAT PIPE TECHNOLOGY – MR. MAZAN AWAD	\$200.00
MR. GREGORY LONG	\$150.00
MR. DOUGLAS B. COHN	\$150.00
AQUA AIR PRODUCTS – MR. MARTIN A. VICARI	\$150.00
MR. ISAAC W. CRIMM	\$113.00
MR. MICHAEL A. COSTELLO	\$101.00
MR. JASON C. PROCTOR	\$101.00
MR. JOSEPH R. COX	\$101.00
MR. LEON J. BOE	\$101.00
MS. MALIA POWERS	\$101.00
MRS. DEBORAH A. HORSEY	\$101.00
MR. THOMAS H. WILLIAMS	\$100.00
MR. JASPER S. SCOTT, JR	\$100.00
MR. ROSS D. MONTGOMERY	\$100.00
MR. GARY G. STENLUND	\$100.00
MR. C E LANGBEIN, JR	\$100.00
MR. DAVID E. KIRSHNER	\$100.00
MR. JAY B. ALLISON	\$100.00

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member – Earn 6 PDHs/AIA LUs or .6 CEUs

Commercial Building Energy Audits
Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications
Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Commissioning Process in New & Existing Buildings
Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Operations & Maintenance of High-Performance Buildings
Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations
Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member – Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond
Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Advoiding IAQ Problems
Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Troubleshooting Humidity Control Problems
Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Commissioning Process & ASHRAE Standard 202
Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems
Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical
Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**
Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**
Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices
Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements
Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Applications of Standard 62.1-2013
Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

IT Equipment Design Evolution & Data Center Operation Optimization
Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Building Demand Response & the Coming Smart Grid
Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Designing High-Performance Healthcare HVAC
Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

Energy Management Best Practices
Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II – Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.

ASHRAE 2016 Winter Conference Orlando, Florida



2016 Winter Conference
Jan. 23-27
Orlando Hilton
Orlando, FL

AHR Expo
Jan. 25-27
Orange County Convention Center
Orlando, Fla.

For more information, go to:

<https://www.ashrae.org/membership--conferences/conferences/2016-ashrae-winter-conference>

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2015-2016 NEWSLETTER AND WEBSITE SPONSORSHIP PRICING PACKAGES

ASHRAE (formerly known as American Society of Heating, Refrigerating and Air Conditioning Engineers) is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

ASHRAE was founded in 1894 at a meeting of engineers in New York City and has held an annual meeting since 1895. Until 1954 it was known as the American Society of Heating and Ventilating Engineers (ASHVE); in that year it changed its name to the American Society of Heating and Air-Conditioning Engineers (ASHAE). Its current name and organization came from the 1959 merger of ASHAE and the American Society of Refrigerating Engineers (ASRE). The result, ASHRAE, despite having 'American' in its name, is an influential international organization. Amongst other international activities, it helps organize international events.

The society promotes the design and installation of HVAC systems at the highest levels, through publication of Data Books and Handbooks covering all relevant topics, legislative involvement, establishment and support of a research foundation, and standardization of design qualifications.

The Florida West Coast Chapter of ASHRAE was chartered in February 1956 to promote industry standards and best practices at the local level. The local chapter enjoys a strong meeting participation, and generates operating revenue through chapter activities like the annual golf tournament, sporting clay shoot, and specialized learning opportunities with visiting lecturers. A large portion of the proceeds from these activities goes to establish and maintain various local college scholarships, to promote further interest in the HVAC engineering profession following graduation.

Along with the aforementioned activities, our most valuable resource for generating operating capital remains sponsorships. Via its monthly newsletter and newly updated website, <http://www.ashrae-fwc.org/>, the Florida West Coast Chapter of ASHRAE is a resource for its members, and can be an effective tool for promotion of your company, product, or service.

The newsletter is published 10 times per ASHRAE year (September through June of the following year), and is distributed via email ahead of the monthly chapter meetings. In each newsletter, the chapter officers contribute articles that focus on industry happenings, legislative changes, educational opportunities, and more. The current email recipient list is over 1,000 individuals. The chapter website is updated monthly, and includes information on upcoming events, event photographs, posts resumes and career opportunities, and contains useful links to industry resources. The website currently has over 40,000 individual IP computer hits since its launch in September 2013.

2014-2015 NEWSLETTER AND WEBSITE SPONSORSHIP PRICING PACKAGES

Please consider sponsoring the Florida West Coast Chapter of ASHRAE's newsletter and/or website. Your business card will be published 10 times per ASHRAE year in the emailed newsletter, and can be updated at any time with a new copy if desired. Sponsorship on the website includes a business card on the sponsorship page and a link to your company website.

For the 2015-2016 year, the Chapter Board of Directors has decided upon the following rate as detailed below. In appreciation of the support from our sponsors during this difficult economic time, we want advertising in the chapter newsletter and website to remain affordable and accessible.

2015-2016 ASHRAE FWC Advertising Rates (All Rates are for the ASHRAE Year - September 2015 through June 2016)		
Ad Type and Size:	ASHRAE FWC Members Fee:	Non-Members Fee:
10 Monthly Newsletter Spots (Business Card Size) <i>Reaches over 1,000 people per month!</i>	\$100.00	\$150.00
10 Month Website Spots (Business Card and Link Included) <i>Website has over 20,000 hits!</i>	\$250.00	\$300.00
10 Monthly Newsletter and 10 Month Website Spots	\$300.00 <i>A savings of \$50.00!</i>	\$400.00 <i>A savings of \$50.00!</i>

Please indicate your interest in sponsoring us by responding to the email address below and remit your business card in either PDF or JPEG formats to Ike Crimm. Please send payment to the address below made out to "ASHRAE Florida West Coast". Sponsorship fees shall be prorated based on the number of newsletter editions and website months remaining upon the purchasing of your sponsorship plan.

Thank you for considering ASHRAE Florida West Coast Chapter's newsletter and website in your marketing strategy!

icrimm@stanweaver.com

ASHRAE Florida West Coast Chapter
4607 North Cortez Ave., Tampa, Florida 33614